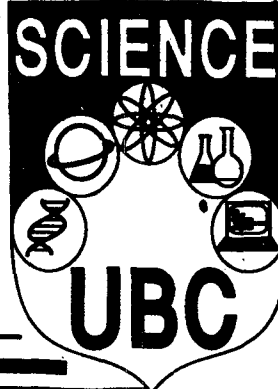


The 432



The Newspaper of the Science Undergraduate Society

Volume 3, Number 6

THE NEWSPAPER FOR SCIENCE STUDENTS

November 15, 1989

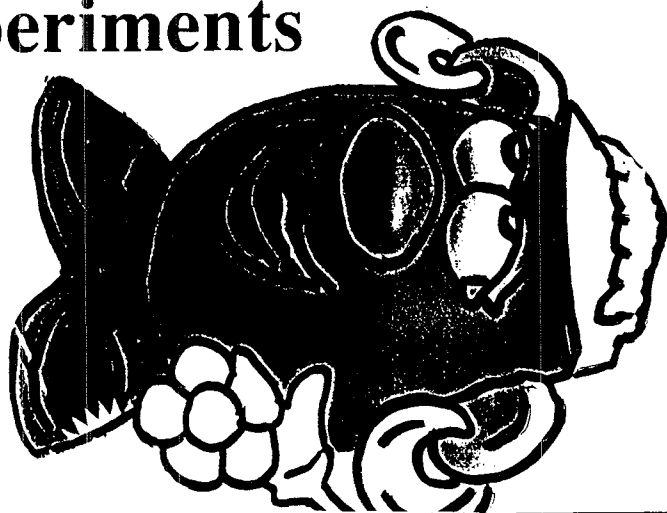
Scandal! SUS Heads Potato Experiments

VANCOUVER (SUS) - Antonia Rozario, Science Undergraduate Society External Vice President, has set up a cruel and unusual experiment in the Science office which causes malicious harm to an innocent Mr. Potatohead® doll and which unnecessarily tempts innocent gerbils to chew on it, activists claimed today. The release of dramatic top-secret film footage prompted angry calls for the resignation of Bill Vander Zalm in the legislature.

The Friends of Potatohead Society (FOPS) held a press conference today at which they displayed photographs of the Mr. Potatohead doll, which is contained in a small aquarium in the SUS office. Its left ear and fingers had been chewed off, and the little pegs on the inside that hold the appendages on were being eroded away by the voracious rodents which had been placed in confinement with the toy. FOPS president Alannah McFeebly projected that Potatohead "wouldn't last another week in that hell hole."

"It's disgusting, I tell you," she declared. "Being totally incapable of motion, Mr. Potatohead has no way of defending himself. I'd like to see this Rozario chick let her ear be chewed off."

Premier Vander Zalm claimed complete ignorance on the issue, and



The body of Mr PotatoHead: Once a proud member of the Potato Kingdome. Now just gerbil fodder.

protested further that not only did he know nothing about the Potatohead experiment, but that he knew absolutely nothing at all about anything. The statement was met with resounding cries of "hear, hear" from the back benches.

When asked about the incident, Rozario, organizer of the upcoming Big Big Bzzr and Band Bash for the SUS (November 17th. Tickets are \$5 at Chem 160 or the AMS Box Office.), seemed puzzled. "Are you stoned?" she said. "I can't believe that anyone would actually care about something so trivial. By the way, do you have a ticket to the Big Big Bzzr and Band Bash yet? They're only

five bucks."

SUS President Ari Giligson drummed incessantly on a desktop with a pair of scissors. "This is nothing new. You should have seen what they used to do to Mr. Potatohead in some other UBC organizations. Baked Potatohead. Scalloped Potatohead." There was nothing that could be done, he claimed, because Mr. Potatohead was not specifically mentioned in the Charter of Rights. "All you can try is to convince Antonia to take him out of there."

When this was suggested, Rozario's response was: "I haven't finished the experiment yet and if I stop now I'll fail the course. So forget it, okay?"

Peter Hamilton of Lifeforce was unavailable for comment on the effect of the experiment on the gerbils; he was delivering postcards to Dr. Strangway's office. To date, President Strangway has received three and a half postcards bemoaning the plight of the Potatohead, whose natural mating habitat has been

continued on page 5

SUS Eyes Stock Market Pezim, BC Lions possible investment target, Cardy says

VANCOUVER (SUS) - Facing the possibility of its largest deficit ever, the SUS has taken the first steps to investing in the business world. In a closed meeting, the SUS executive decided that it should examine the possibility of borrowing money from the AMS to finance the venture.

SUS Director of Finance Derek Cardy stressed that only secure investments would be considered. Mutual funds, corporate bonds, and investing in Murray Pezim's new gold stocks. "It's probable that a large portion of our investment portfolio will be involved with the B.C. Lions."

When asked about the investment decisions, made without consultation with Science students at large, Science Undergrad president Ari Giligson commented, "Think nothing of it. The SUS has a mandate to make decisions like this." Derek Miller, AMS Rep and former editor of *The 432* said that it was "about time the SUS got out there and

kicked some butt in the business world."

It was decided in closed session that an application would be made to the AMS for an \$80,000 loan, which would be divided amongst the various investments. With profits estimated at anywhere between \$100,000 and \$300,000 within a year, the loan should be secured almost immediately, Cardy claimed. "I can't see any problem," he claimed "Karl [Kottmeier, AMS Director of Finance] has given us loans in the past - smaller ones, sure, but they were loans - so I don't see why there would be trouble."

Karl Kottmeier was unavailable for comment.

President David Strangway was optimistic about the idea. "An undergraduate society venturing into the business world seems a logical step. The high interest rates, of course can mean only one thing."

continued on page 5

Highlights

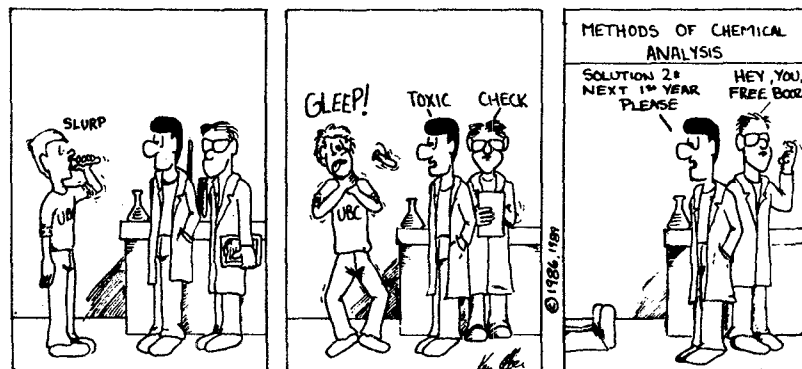
Dik Miller gets Lucky
Page 3

Relativistic Economics
New Shoots
-Page 3

Fauste gives wiring diagrams for your own cruise missile
The Art of Science
-Page 7

Over the past few years I have noticed an increasing trend for cartoonists such as Gary Larson, Jim Unger, and Berke Breathed to submit cartoons from early in their careers instead of creating new ones. Not one to miss out on a passing fad - and a chance to slack off - here is the first I.N. STEIN in Publication. Now, I'm going on sabbatical to the Pit.

Ken OTTER



Editor's Comment

I'm coming up to twenty-two years on earth, so far, and it's taken me all this time to figure people out. After all these years, I can finally sum up human nature in a single maxim:

People are dead certain that every person in the world is messed in the head except for themselves.

Simple enough? Let's give an example.

Staring is bad. That's a given. If you glare at a total stranger for more than a microsecond, they'll just assume you're psychotic and move away. There is the blank stare, of course. That's when your mind disconnects from the optic nerve, while you drift off in some fantasy. What happens to your eyes? The laws of physics have shown that while you are woolgathering, your eyes drift towards the most private spots of other persons. When you snap back in, there's the other person shifting about like there's a colony of ants in his/her underwear. So what do you do? Immediately, you snap your eyes away to stare at a wall, as if it's the most intensely interesting thing you could ever look at. There's nothing like being obvious about it.

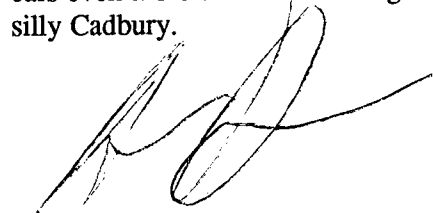
Crowded situations bring out the worst in us. If we're in the close company of total strangers, it's all too easy to blank out. Enter the bus stare. We stare up at the ads (thankfully placed up above us) and pretend everyone else isn't there. Oh, we're aware of them, usually when the drunk beside us is breathing in our ear, asking for change. What about the skinny frosh with pimples who won't take off his backpack? Why does he keep it on? Is this thing surgically attached? What other excuse is there for keeping it up there? At the first lurch, the frosh spins a few degrees and takes out three or four old ladies. They were standing, mind you, because everyone sitting down was staring up at the ads and didn't notice them on board.

Staring up while in large anonymous crowds is common. Step into an elevator, and what happens? Your eyes become glued to the floor indicator, as if it was a life and death monitor. If you miss your floor, you won't be let out of the elevator.

Next time, when you step into an elevator, face the back, looking into the crowd. If you thought that you couldn't affect a group just by what direction you were facing, guess again. You could masturbate in the back and still not get the same effect on them than just simply staring towards the back of the elevator has.

If we're trying to act anonymous on a bus or in an elevator, we do the exact opposite in our cars. Listen to

me: those windows are transparent. People can see what you're doing in your car. Stop picking your nose. Stop lyp-synching the song on the radio. You look stupid. Bus-riders like staring into the windows of other cars even more than memorizing a silly Cadbury.



Aaron Drake should have been in psychology. Let's leave it at that. Aaron Spends hours every every day riding the bus, staring off into space, dreaming up new and wonderful items for the 432. Somebody buy him a car. Please.

Letter to the Editor

Dear sir,

As I was reading through the November 1st edition of the 432, enjoying the usually great blend of strange humor, thoughtful and informative articles, and bizarre typesetting glitches, I found -GASP- a factual error. The first (supposedly easy) question in the Trivia column asks who first proposed a heliocentric "solar" system. The answer given is "Copernicus," but in fact a heliocentric universe was proposed in approximately 260 BC, at least 1750 years before Copernicus, by Aristarchus of Samos. Aristarchus, who was a contemporary of Archimedes, also gave reasonably good estimates of the relative sizes of the moon and sun, and of their relative distances from the earth.

To give Copernicus due credit, Aristarchus' theory was not generally accepted in his day, while Copernicus' reintroduction of the theory contributed to a radical change of our view of the universe.

It's easy to get the impression that most of our understanding of the universe is the result of "modern" science. A look at history shows us that we can be quite mistaken in this belief.

P.S. Keep up the great work! The 432 is enjoyable - a refreshing change from the usual waste of paper that many student papers are.

Djun M. Kim
Graduate Studies-Mathematics

The 432 thinks that the right to speak one's mind is the most fundamental right there is. Any opinions that seem to come from reasonable minds will be printed, therefore. Please include name and phone number, and sign the puppy. Who cares about the student card, or ID? Just drop your letter off at Chem 160. Our address:

SUS
c/o Dean of Science
Room 1507, BioSciences Bldg.
U.B.C., Vancouver, BC
V6T 1W5

The following letter made its way to my desk, the previous week. To the best of our knowledge, this is a serious plea for used textbooks.

Appeal for textbooks:

Heer Cammy Science Institutions
c/o Amadi Ama postal agency
Port Har Coint, Rivers State
Nigeria, West Africa

Dear sir,

Application for Help

Before I comments further, I am very much-impressed in writing you this missige. Adding together with respect and reciprocal, I am thanking you for reading this my missige.

As I have abovely addressed my self to you, I AM QUALIFY DOCTOR with Twelve good years experiences in that proffessions.

I have recently established A SCIENCE INSTITUTION in our country. But Sir, due to things been expessive and the Cost of living also very expessive to with stand.

Please Sir, to start my School very effectively and normally, I will like to beg to assist me with Some Chemistry, Physics, Biology, and mathematics test books.

Sir, I would have written you this missige since last year, But due to Some momentous obligations which were to be fulfilled, I couldn't write you. But now All things are totally complete.

If I am help by you Sir, I will be very much impressed with you. I will make you a Share holder of my institutions. Your insttutions will be big institutions Grand Petros. report of my institutions and the welfare of the Institutions will be reaching you regular.

I am waiting patiently forward in receiving your parcel and missige.

Thanks

Yours faithfully
Dr. Chukson Aniyim
B.Sc M.Sc and PhD
Director/Proprietor

The above letter was printed verbatim, or as close to verbatim as we could get. If you are interested in donating textbooks, please bring them to Chem 160 (to start things off, Physsoc has donated over 150 first year physics texts. Can any other club match that offer? Not likely).

Nominations are now open for

-Two Student Board of Governors Positions
-5 Student at Large Senate Postions
-1 Science Student Senate Position

Forms are available at AMS and SUS offices

Nominations must be in to the registrar no later than 4:00 pm Dec 1, 1989

Dik Miller, Campus Cowboy

by Derek Miller

"Did you know that Pit burgers are aphrodisiacs?"

No, I thought. I was standing in line at the Pit to get a burger for lunch, and the voice came from behind me. It was female. I did not want to admit my ignorance, however. (Not of the fact that she was female, dummy. Of the peculiar qualities of Pit burgers.)

"Of course I know that. Why do you ask?" I turned to face the woman who had asked the question. She was almost stunningly beautiful, but not quite. I think it had something to do with the psychotic gleam in her eyes.

"No reason." She looked past me to the menu board.

Intuition told me to pursue this topic further. "Is there anything in particular you'd recommend?" I inquired.

"The Mexiburger, definitely." She glanced at me. "It's the jalapeno peppers."

Something twigged in my brain. "Are you trying to pick me up?"

"Certainly not."

"Oh." I turned to look back at the menu board.

"Next please," said the teller. "Can I help you?"

"Yeah, I'd...er...like a...um...a Mexiburger," I said, inadvertently glancing back at the woman, who smiled evilly. I coughed. I took my ticket. The woman followed me.

I whirled. "WHAT THE HELL DO YOU WANT?!" I asked - probably slightly too violently for good measure. People were staring. "Nothing," she said.

I fumed, found a table, and sat down. So did she. I resolutely bit into my burger and let the gentle, lilted sting of the jalapenos oxidize my tongue. I didn't look at her. She didn't bother to reciprocate the courtesy. She stared quite distinctly at my hat.

"Look," I finally said in a harsh whisper as the last of the Mexiburger made its way with a satisfying thud to my stomach, "I don't know who you are. I don't care much. But I really wish you wouldn't follow me around, make suggestive comments, and then not tell me what the hell you're doing. I'm going to leave. I

would appreciate it if you didn't come along."

She merely smiled - not evilly this time, but fiendishly.

I stood up. She didn't.

I walked towards the door. Just as I was reaching it, she stood up and started striding towards me. I grabbed her arm as she got close.

"I said - " I had no time to say what I'd said, for the woman reeled back and let out a scream at the top of her voice.

"SEXUAL HARRASSMENT!"

On cue, bouncers, angry feminists, and general hangers-on came rushing towards us. The woman was leaning against a post, quivering and pointing a finger at me. I was hoisted by my arms by a large group of people.

I'd been framed.

Stay tuned for further developments in this oh-so-exciting and horrifically topical plotline!

Dik Miller is feeling insecure lately, so please, please, pay the fines for the parking tickets. I know you never really pay attention to the tickets, but how about one for the Dik?

That's Trivial!

by Tanya Rose

Hello again! Last issue I wanted to do a theme on Halloween Monsters. This issue, I wanted to do a theme on BC Politicians, but it was too familiar to Halloween Monsters! Instead, we'll do something else. Good luck!

Theme: B.C.

1-10: Easy

1. What is B.C.'s largest natural lake?
2. What B.C. gold-rush town was rebuilt as a rustic tourist attraction?
3. What is B.C.'s biggest industry?
4. What is the tallest mountain in B.C.?
5. Where was Kokanee originally brewed?
6. What is the largest river in B.C.?
7. Where is the world's largest city park?
8. In what year did B.C. have its worst fire season?
9. What B.C. Ranch is the largest ranch in the world?
10. What is the population of Spuzzum?

11-15: Medium

11. What is the ratio of men to women in Science at U.B.C.?
12. Who is Gastown named after?
13. What was the first capital of B.C.?
14. What is B.C.'s biggest cash crop (timber isn't a crop)?
15. What is the reference point for 100 Mile House (that is, where is mile zero)?

16-20: Hard

16. What object in B.C. (not Williston Lake) is the only man-made object, other than the Great Wall, visible from outer space?
17. Where were Japanese Canadians imprisoned in WWII?
18. Where is the nearest minable coal deposit from here?
19. What North American team was the first hockey team to play the Soviets in Russia?
20. What is the largest ethnic population in B.C.?

Bonus Question:

For over a hundred years, Stanley Park has stood as the most notable feature of Vancouver. In all this time, it has resisted any attempts to plow sections under for developers. Who first moved to keep developers off of the land that is now Stanley Park and why?

Answers on page 4

New Shoots

by Dave New

Imagine a spacecraft travelling away from the Earth at quite a sizeable percentage of the speed of light. A typical Physics grab, yes, since all sorts of neat scientific things follow immediately.

Now give it a crew.

You've all heard of the twin paradox, I'm sure. One of a pair of identical twins travels away and back on just such a spaceship, and when he returns, he finds his brother eighty years older than he is. No big deal. It's old hat, and not really a paradox either. Time moves slower for rapidly moving objects.

But what's happened to inflation on the Earth in those eighty years? Increase the speed: two hundred years? One thousand? It's easily possible for humans to survive a trip to the Andromeda Galaxy at only one G acceleration, what with time dilation — by which time the rest of the human race will have died out. The inflation for a twenty-year voyage, ship's time, would be exorbitant.

The first obstacle to manning a craft, then, is pay scale. Would the crew be paid based on time passing on Earth, or on the ship? Earth time is not really fair to landbound labour, since the ship will experience maybe one-twentieth the time the Earth will, its crew will end up with \$400 a man-hour instead of \$20. But ship time isn't any good either, since the

money will be next to worthless through devaluation by the time the craft returns. Ship time, paid in full at current rates upon the craft's return? No. A twenty-year voyage will need on-board entertainment, diversity of dining, and so on. They astronauts will need money before their voyage is finished. What's fair? \$2.50 per hour per hour?

But let's let that go by, and assume some sort of workable scale has been created. So: How will the astronauts deposit their paycheques? Once can hardly carry a bank along on an interstellar flight. They'll need either an Instabank outlet or some sort of wire service to Earth.

But by the time a transaction is finished, inflation will have bugged up all the amounts. The account will hold more money by far than when the transaction started. If an astronaut wants to withdraw cash, the time it takes for the money to arrive will render it worthless for having been removed from the bank. To avoid an inflationary spiral worse than July 1923's Germany, a price freeze must necessarily be introduced on board the ship.

Which wreaks havoc with any accreting pay scale. The astronauts will steadily accumulate money which can never be spent, since the ship will never have enough commodities to warrant that much cash availability.

Eisode Five: Economics

Perhaps prices will be tied, instead of to 1989 wages, to 1989 number-of-hours-worked. But then money becomes superfluous; a barter system emerges based only on amount of work done. And that's counterproductive to pay scale too, since by Earth terms, the crew will be getting food and entertainment for free, while still receiving additional wages at home.

The easiest solution might be for the crew never to return home at all. This would also eliminate the problem of reassimilation into contemporary life, and allow for easy disposal of televangelists without clogging the jails ... but somehow it's just not as aesthetically appealing.

Ah well.

A full theoretical basis for relativistic economics, including Lorentz-invariant Keynesian modeling strategies and frame transformations of standard supply curves, appears on page 5.

If you come down to Chem 160 some time, you can contribute to the fund to send Dave New to some distant galaxy at the speed of light. Seriously, I'll go on record here. Save for one minor issue, David has been a cornerstone to the 432. Ork. Ork. Ork.

Classifieds

Messages

Swinging Beef Dance. November 24, SUB Party Room, tix \$4 from AMS Box Office and several other places, so there. Starring the Juan Valdez Memorial R&B Ensemble. Yes, there are door prizes. Mlah.

Get your name in the paper! Phone 228-4235, ask for Aaron, and ask him about his gargoyles. First three callers win astounding prizes!

One sec, let me formulate this one Attention all hot, virile men and sexy, bodacious babes. There will be a meeting of minds in SUB Ballroom at 8pm Friday, November 17th. Clothing is optional, but use of our oxygen carries a \$5 surtax.

Eddy from Cheers got hit by a Zamboni. Did we tell ya, or didn't we? Don't drink and drive either.

Jim Bakker, your loving flock awaits your return. We have the money. Giggle. Did Bob Probert say hi? Snort, guffaw.



Answers to That's Trivial, from page 4

1. Quesnel Lake.
2. Barkerville.
3. Forestry.
4. Mt. Waddington.
5. Creston, B.C.
6. The Fraser River.
7. Vancouver B.C. (Stanley Park).
8. 1985.
9. The Gang Ranch, B.C.
10. Who cares?
11. 5:3.
12. Gassy Jack Deighton.
13. Langley.
14. Marijuana.
15. Lillooet (Lillooet? Lilloet?).
16. The Bowron Clearcut.
17. Denver.
18. Gastown (trick question: it's been mined already).
19. The Penticton Knights.
20. BC'ites, of course!

BQ: The British Navy set Stanley Park aside as a reserve. They thought that there were minable cola deposits there. There weren't.

Scoring:
1-10: 1 point.
11-15: 2 points.
16-20: 3 points.
BQ: 5 points.

>32 points - Expert.

"The mouse is an animal which, killed in sufficient numbers, under carefully controlled conditions, will produce a PhD thesis."
Journal of Irreproducible Results

Are you uptight, irritable,
suffering from anxiety attacks?
Do you suffer from gray hair, itchy watery eyes or
bad breath?

Well This Event Has Nothing to do With You:

The Science Undergrad Society

in conjunction with absolutely no one else

PRESENTS

Friday, Nov. 17 8:00pm-12:00midnight
in the SUB Ballroom

The Big BIG BzzR and Band Bash

Starring: **XYZ** Vancouver's Leading
Dance Band

BzzR: \$1.00
Zider: \$1.50
Shtrs: \$1.50

Tickets are \$5.00 from
SUS Council Member
SUS Office (CHEM 160)
or SUB box office
Get Tickets Early as we are not
allowed to sell tickets at the door!

for more info call
SUS @ 228-4235

*"It is impossible to travel faster
than light, and certainly not
desirable, as one's hat keeps
blowing off."*
Woody Allen

More Chess Openings

Hoffa Gambit: White walks off
the board hoping that black will
strike in sympathy.

Dyslexic Opening: Black opens
by convincing White that black
really goes first.

Japan Game: Black surrenders,
then attempts to infiltrate White's
side by dominating its economy.

Bishop's Gambit: Instead of
capturing a piece, the Bishop
molests it, leaving it emotionally
scarred.

*If it bleeds, runs, oozes, seeps, drains, or
gushes...*

*If it cracks, peels, blisters, or
chafes....*

*If it turns blue, green, yellow,
red, or mottled river-bottom
brown...*

*If it itches, hurts, burns, stings, or
feels numb...*

Then stop doing it.

The Black Plague

The Truth, the Whole Truth, and Nothing But the Truth, Usually.

Inside:
The All-New
Bulemic Diet

**FIRST
MINISTER'S
CONFERENCE**
**FOUR DAYS
OF
DELIBERATION
REVEAL
THAT
CANADA
DOESN'T**

*Einstein
Speaks From
Grave:
Relativity is
a Hoax*

Elvis Discovers Unified Field

Theory

King of Rock
and Roll
working for
Bell Labs
since 1976



Photo of Elvis in
window of Bell Labs

Artificial Intelligence
Predicts: Jeanne Dixon will
be dead by 2050!

Dean of Science
McBride: My Life
as a Closet
Vampire

Shocking
Photos
reveal:
Viruses
are alien
robots

Questions For Dan Quayle

by Aaron Drake

Why do they advertise free gifts? Have you ever heard of a gift that you had to pay for?

Don't you think that *express mail* is an oxymoron?

How about *hard water*? Or *same difference*? Or even *basic complex analysis*? Can you honestly call something a *peace force*?

Why do they tell us that someone has set a new record? Is it possible to set an old record?

How many doctors are, in reality, illiterate? Don't laugh - look at their handwriting.

Why does bread always land butter side down? What would happen if you butter both sides? Would it explode? I think it would float. Derek thinks it would fall on its edge.

Would cats fall on their feet if they were in space? What if you buttered their backs? Then what would happen?

Does God have a credit rating? He's never borrowed anything. Someone would have to cosign. I won't. I don't even know where he lives.

What happens to back issues of magazines? Do they get thrown out? I don't think so. I know the bad ones migrate to Dentists' waiting rooms.

There's a little known theory that the rings of Saturn are composed of our lost luggage. I bet the suitcases are filled with socks, too.

Civil servant: there's another oxymoron. I got a million of 'em. Really.

And those Christmas Fruitcakes. Nobody eats them. They just circulate around year after year. I think there's really only one in the world, and it just moves from family to family. What is in them that makes people not want to eat it? Jimmy Hoffa?

If 7-11's are open 24 hours a day, 365 days a year why are there locks on the door?

Why do policemen lock their lockers? Is there something they're not telling us?

How much would the crime rate drop in Harlem if they put donut shops on each corner?

Where does MacGyver get all his duct tape?

Why are Diamonds forever? Wait a sec. They're not. The payments are.

Why is it always a true fact, anyway? Who the heck ever heard of a false fact?

Don't those stupid people know that MAD has only one D?

Why do they call it Rush Hour? Nobody seems to be going anywhere very quickly.

Why do cars in Surrey only have one headlight? What happens if you have two? Does someone come by in the middle of the night and smash one of them out?

Why are people so afraid of bees? Is it ancestral? Were they the size of Piper Cubs in prehistoric times? Stop and think about this. One bee, weighing less than a few grams, will send an intelligent, sentient human being, that is four hundred times larger and weighs over twenty thousand times more, into hysterics. Where's the logic?

Why is it that the world will tolerate anything except someone who blocks traffic?

Where have all the used hula hoops gone?

Who lives in funeral homes? That's sick...

If Quebec declares independence,

will children still have to take french in school? What about the french on cereal boxes? Will we still have that?

What kind of a name for a state is Maryland? Somebody was up late thinking that one up.

Why can't France ever win a war?

If someone in Siberia commits a crime, where do they send them? Palm Springs?

Why did Alberta get most of the national parks in the Rockies?

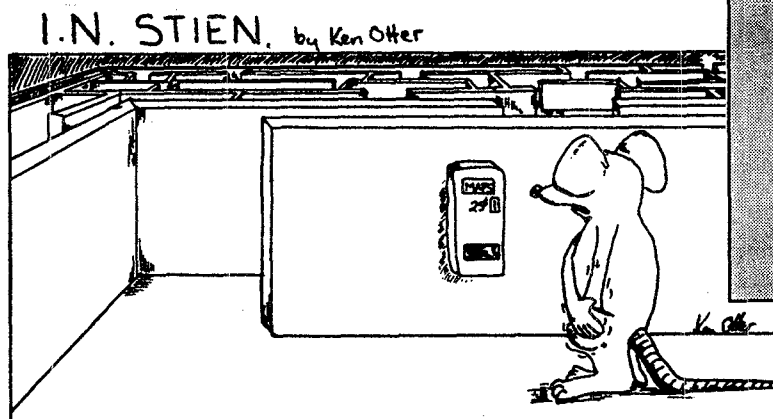
Would cocaine be as popular if it was black?

People seemed to like our first silly questions, so we brought it back. Being one to bow to popular demand, we'll do a regular Questions For Dan Quayle. Right here, we now announce our first **Questions For Dan Quayle Contest**. The persons who submit the best question will win a T-shirt or something like that, (that the budget can afford). Drop them off at Chem 160, or mail them in (check the credits for our address).

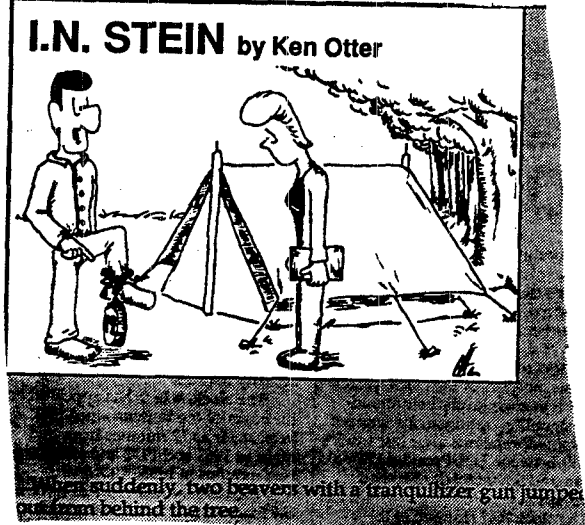
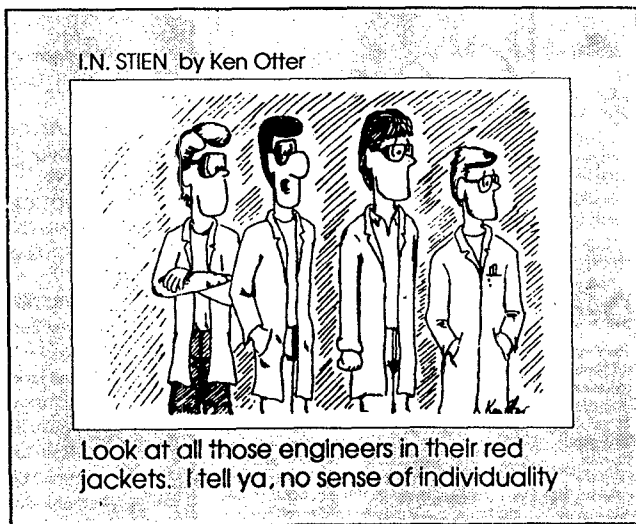
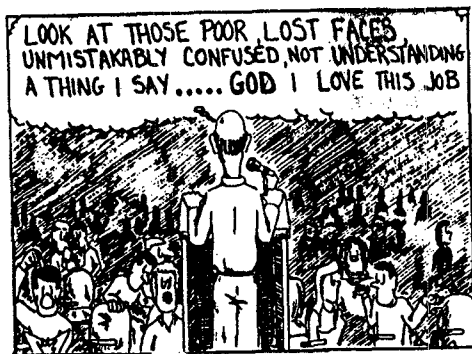
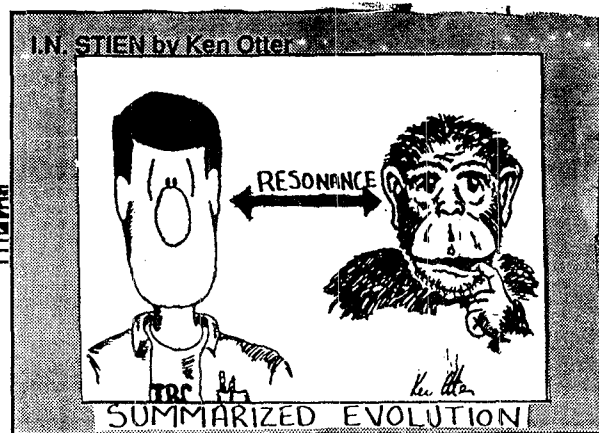
The Best of I.N.Stein, over the years.



THERE, ALL READY TO BLEND BACK INTO NATURE



OH, SCREW THIS "RANDOMLY-RUN-THROUGH-THE-MAZE" CRAP!



And Now for Something A Little Different...

by Andrew Hodgson,
Token Engineer

Kraft Dinner is the fast food version of macaroni and cheese :the word cheese is not to be taken literally. The package reads that there is real cheese used, but it comes in the form of cheese powder where the amount of cheese they actually use is questionable. Actually, I don't really think it's cheese powder at all. My guess is that it's rotting cocaine.

The only redeemable qualities of Kraft Dinner is that it tastes good and, most important, it is cheap. It's food value is about equal to that of normal pasta and the milk and margarine that is added. I've read that Kraft Diner has 22 grams of protein, but at best this protein is incomplete. If you want a lot of carbohydrates and enough preservatives to keep you unspoiled after death, however, it is the ultimate food.

Anyone, and I mean anyone, can prepare Kraft Dinner, but very few people make it the same way. It all comes down to how much milk and margarine is used in making the sauce. If you want a soup, you put in lots of milk. Of you want a sticky gumbo that'll stick to your tongue, you heap on the margarine (margerine and not butter). Whatever way you do it. Kraft Dinner goes well with almost every food, with ice-cream and such being exceptions. And, I think, it goes well with both red and white wine.

There are many imitations of the original Kraft Dinner; Catelli has even made one that surpasses the original in the quality of the pasta. With all factors considered Kraft Dinner is still the number one product of its genre. All those no-name brands taste like crap and you only save a few cents when you buy them so don't even bother. If you're thinking of comparing Kraft Dinner to macaroni and cheese from scratch, don't bother. It's like comparing apples and oranges. Why do people like Kraft Dinner? Studies show (as taken on a grade 10 cooking class) that people prefer whatever they were given as a kid.

Andy is our engineer-in-residence, who never let me forget, all summer, that macaroni and cheese was better than even sex. When not planning for the 40 beer club, Andy can be found making sarcastic remarks at any babe within earshot. According to Andy, it's quantity, not quality.

Real Questions That Everyone Asks

Why Do We Itch?

Although some scientist argue that itching is a remnant of our defense system against parasites and insects, the real reason for itching was not discovered until the late 1970's. Indeed, such a question was considered trivial. Perhaps that was why it took so long to come up with a valid answer.

An itch is a message from our nerve endings that a particular section of skin is becoming too thick. When this happens, fluids tend to build up, just below the epidermis, the layer of dead skin. If left unchecked, it could result in boils, bruises and even rupturing of the skin.

To counteract this, the nerves send a message to the brain that the skin must be itched in that particular region. Doing this tears away a lot of the dead skin. It also shreds the remaining skin, increasing the surface area. The fluids below rise up through the damaged dermis and evaporate quickly. Thus, because the fingers have scratched in that area, the fluid buildup is stopped, and the nerve endings no longer tell the brain that it is itchy.

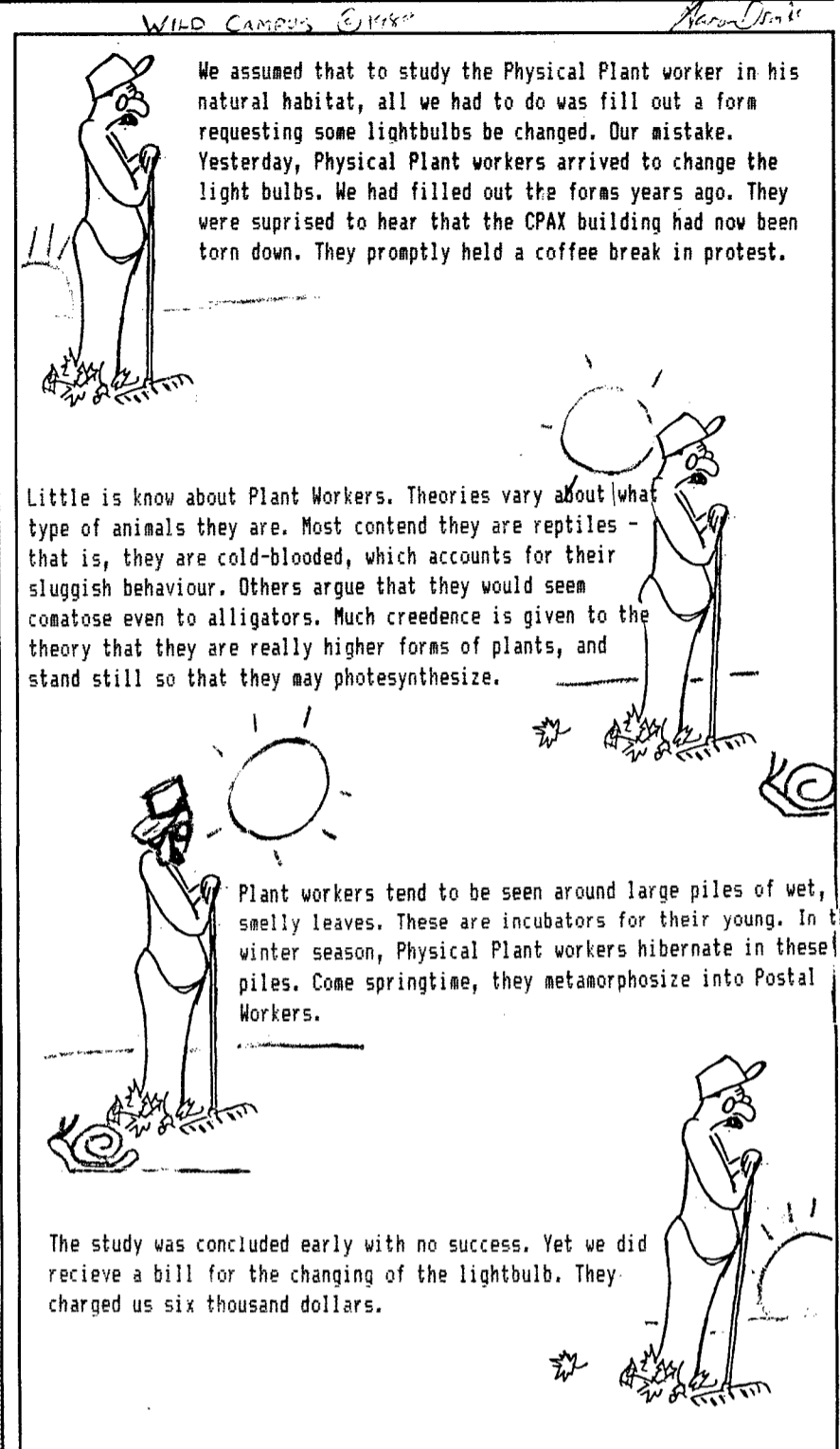
What Does The Appendix Do?

The appendix for the longest time was believed to be worthless. This belief is slowly changing as medicine is finding that the appendix plays an important role in the filtering system of the kidneys and liver. Large particulates from the kidney are sent to the appendix where they are broken down and the nsent back into the digestive tract to be disposed of. In addition, poisons filtered out by the liver pass through the appendix in a continous biofeedback loop to receiver any nutrients.

The removal of the appendix seems to have no adverse effects on the filtering systems. In the case of the kidney, for instance, the large particulates are sent straight into the digestive system.

If electrons are closer to other atoms than identically charged protons, then how can atoms be neutral?

It's true that because the nucleus, which contains the protons, is in the center of the atom, it is further from other atoms than the outer electrons. At first a neutral atom seems impossible, but it can be



explained by the field of physics called Quantum Electrodynamics. Due to the uncertainty principle, the charge of the electron may fluctuate from very large values down to zero. If you took the time average of the charge of the electron, you would find that the electron's average charge, is less than it's actual charge, and just small enough to balance out the charge of the proton, even though it is further away.

Protons, having a very special quality called Hypercharge Symmetry, do not fall under the rules of the uncertainty principle, and therefore we may know everything, it's position, momentum, and even charge, exactly, at any time.

Why Has Fermat's Last Theorem Never Been Solved?

Fermat's Last Theorem is that $a^n + b^n = c^n$, where $n > 2$, is not true. a , b , and c are integers. This is perhaps the most famous theorems of all times. To date, it has never been solved, although many have tried.

In 1988, in Prague, a symposium on Fermat's Last Theorem was held to

discuss progress to date. It was generally agreed that the level of knowledge of mathematics was just too low to be able to prove this theorem.

The problem lies in an obscure field of mathematics called, Sinteger Theory, which is a combination of Set Theory, Real Number Theory, and the Theory of Non-Commutable Cover Twistors (don't worry - I don't know what that means either). Using this theory, it was shown that there is no way to actually unify Integer Theory with Real Number Theory. Fermat's Last Theorem can only be solved when this union occurs. Until we discover a new realm of mathematics that can unite these two seemingly contradictory theories, Fermat's last Theorem will remain unsolved.

If anyone thinks this should be a regular feature, then please drop off your questions that everyone asks at Chem 160

"The right to be heard does not include the right to be taken seriously."

Hubert Humphry

Your Horoscope

Aquarius (Jan 20 - Feb 18)

Don't believe everything you hear. Always do the right thing. Consider your actions. Three on a match is unlucky. You will be murdered by a television evangelist.

Pisces (Feb 19 - March 20)

Beware of things containing vowels.

Aries (Mar 21 - April 19)

You can do no wrong. Love, fulfillment will be yours today. Fame and sophistication will fall at your feet. Just kidding. Seriously, today is a good day to buy tomatoes.

Taurus (April 20 - May 20)

Today is your day for absolute definite decisions. Or is it? Wait a sec...

Gemini (May 21 - June 20)

You will be especially repugnant today. You offend everyone and smell bad. Get out of my sight. You disgust me.

Cancer (June 21 - July 22)

Look out for mosquitoes. Um...don't strike up a conversation with an Eskimo.

Leo (July 23 - Aug 22)

The ideal mate will walk into your life and sweep you off your feet. Your hopes and dreams will be

fulfilled as loved ones lavish you with caring. Oh, wait a second. This is 1989, right? Oops, forgot to carry the two. Change that: the above should read, "You will catch a cold."

Virgo (Aug 23 - Sept 22)

Think positive, but be a little skeptical if you feel you should, because what at first might kind of seem sort of okay could possibly be not quite all that good or even just a little bit humdrum. I think. Maybe.

Libra (Sept 23 - Oct 22)

Accent on lurid adventure, wild encounters, passion, venereal disease.

Scorpio (Oct 23 - Nov 21)

You will win a million dollars. It's true. No kidding. It's in the stars. God, you're gullible.

Sagittarius (Nov 22 - Dec 21)

Death is feeling grumpy today. Beware of tall men in hooded cloaks carrying large garden tools.

Capricorn (Dec 23 - Jan 19)

Nothing will happen. Don't blame it on the stars. It's your own fault. You have no personality. Why else would you read this?

This is Trivial!

by Tanya Rows

Howdy Hi! Just thought you'd like some more trivia. Last issue's theme of Inflated Lymph Nodes went over so well, that we'll give you a mix. We'll have three themes: one for easy, one for medium, and one for hard. Break a leg, gomer!

1-10: Easy Theme: Albert Einstein.

- Who discovered the theory of relativity?
- Who won the Nobel Prize in physics for his discovery of the photoelectric effect?
- What famous physicist was named Albert Einstein?
- Who said, "God does not play dice."
- Who developed his very special theory in a patent office?
- Who was Mrs Einstein married to?
- What was the name of the father of the Einstein children?
- Who said that gravity was really curved space?
- What famous physicist played the violin?
- If Albert Einstein, Michael Jackson and Mikhail Gorbachev were in a room travelling at the speed of light, and Michael Jackson and Mikhail Gorbachev left the room, who would be left inside?

11-15: Medium Theme: Rhetorical Questions.

- Why does this always happen to me?!
- Who cares?
- What's the point?
- When will you get around to cleaning your room?
- Why do I have to have acne?

16-20: Hard Theme: Unanswered Questions.

- Where did Jimmy Hoffa disappear to?
- How much does the universe weigh?
- What is the solution to quantum gravity?
- How old is God?

Bonus Question: If you were sitting in a red caboose, and the train was moving at ten kilometers and hour and you passed a pregnant woman by the side of the tracks, what would be the density of Phobos?

Answers on page 8

Now that Lucifer, the one-and-only Macintosh SE, has finished up this issue of the 432, I can go to bed. We'll just store it in The Beast, our handy-dandy 60MB hard drive.

Our address:

SUS
c/o Dean of Science
Room 1507, BioSciences Bldg,
University of British Columbia
Vancouver B.C.
V6T 1W5

That's the way it was, Volume 3, Issue 6, Wednesday, November 15, 1989

Editor: Aaron C. Drake

Writers (and contributors): Aaron Drake, Derek Miller, David Now, Andrew Hodgson, Tanya Rose, DJun M. Kim

Artists: Ken Otter, Aaron Drake, Clement Fung

Layout/Pasteup: Elizabeth-Anne Brown, Phen Huang, Aaron Drake, Derek Miller

Printed by College Printers

The 432 is the bestest thing in the world, and was made possible by a grant from the skinflint SUS. Thanks, dudes. Circulation: Lots and lots, and we claim 4000, but it's more. All material is copyrighted in the name of the author or in the name of The 432, excepting that which Aaron Drakes claims as copyright. Confusing? It is, and it would be higgledy piggledy if it ever went to court. Why it would, I have no idea. But submit anyway, and I'll guarantee that any court costs incurred due to some kind of civil suit against you will be covered solely by yourself. We don't need the aggravation.

Have a nice day.

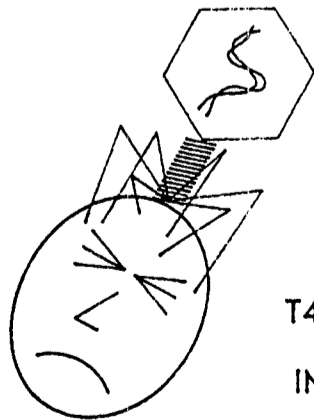
©, 1989, The 432

Thanks to Dave and Kevin for helping with the cover of the Plague. Thanks to Ari for suggesting it. Thanks to all those that contributed, and took time out of their busy lives to spare me a few moments. Thanks to David Strangway, but I'm not sure why I'll just put it in here and maybe someone can come up with a reason for me. Thanks to Morgan for his funeral homes gag - is it in there? I'm not sure. Thanks to Dan Quayle for being such a silly person and therefore a great target for ridicule. You're no Jack Kennedy, Mr. Quayle. You're no Harpo Marx either, but if your hair was cutlier, you just might be.

BIOCHEMISTRY BZZR GARDEN

FRIDAY NOV. 17th
Rm. 207&209 S.U.B.
2:30pm TO INFINITY

TESTIMONIAL:
KEY SAYS
BIOCHEMISTRY
BZZR GARDENS
ARE...



"MORE FUN
THAN HAVING
T4 BACTERIOPHAGE
SQUIRT DNA
INTO YOUR HEAD"

With each minimum donation of \$1.25
receive one FREE BZZR
With each minimum donation of \$0.75
receive one FREE HOTDOG

DR. BEE-MASTER: "MATH 100-AN INTRODUCTION"

